

ABSTRACT OF THE DISCLOSURE

The present invention provides a catalyst comprising a diimine complex coordinated a transition metal. The complex includes a Group 3 to 10 transition or lanthanide metal and one or more anionic or neutral ligands in an amount that satisfies the valency of the metal such that the complex has a net zero charge. The present invention also discloses a method for coupling olefins utilizing the catalyst of the present invention.